

14 SEP 2005

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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 03039PCT |
| INTERNATIONAL APPLICATION NO. PCT/JP2004/004323 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 107549394 |
| INTERNATIONAL FILING DATE 26 March 2004 | | PRIORITY DATE 14 April 2003 |
| TITLE OF INVENTION Sealing material for ant groove | | |
| APPLICANT(S) FOR DO/EO/US Kazuaki TSUJI; Tsutomu YOSHIDA | | |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. <input checked="" type="checkbox"/> The US has been elected (Article 31). <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). <input checked="" type="checkbox"/> has been communicated by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. <ol style="list-style-type: none"> <input type="checkbox"/> is attached hereto. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). <input type="checkbox"/> have been communicated by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). <p>Items 11 to 20 below concern document(s) or information</p> <ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input type="checkbox"/> A preliminary amendment. <input checked="" type="checkbox"/> An application Data Sheet under 37 CFR 1.76. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A power of attorney and/or change of address letter. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. <input checked="" type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICATION NO. 10/549394 (if known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. PCT/JP2004/004323 | | ATTORNEY'S DOCKET NUMBER 03039PCT | |
| 20. <input checked="" type="checkbox"/> Other items or information: Please enter the Article 34 Amendments filed with IPWA/JP that the International Bureau should have transmitted to the USPTO (DO/EO/US). For the information of the USPTO, please find enclosed Notification of Transmittal of International Preliminary Report on Patentability including the International Preliminary Report on Patentability, and pages 30, 31 and 31/I having claims 6-10. | | | | | |
| The following fees are submitted: | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) | | | | \$ \$300.00 | |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200 | | | | \$ \$200.00 | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) . \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500 | | | | \$ \$500.00 | |
| TOTAL OF 21, 22 and 23 = | | | | \$ \$1,000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 37 - 100 = | 0 /50 = | 0 | x \$250.00 | \$ \$0.00 | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 6 - 20 = | 0 | x \$50.00 | \$ \$0.00 | |
| Independent | 1 - 3 = | 0 | x \$200.00 | \$ \$0.00 | |
| Multiple Dependent Claims (if applicable) <input checked="" type="checkbox"/> | | | + \$360.00 | \$ \$360.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ \$1,360.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | \$ \$0.00 | |
| SUBTOTAL = | | | | \$ \$1,360.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | + \$ | |
| TOTAL NATIONAL FEE = | | | | \$ \$1,360.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per | | | | + \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ \$1,360.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |

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a. ☐ A check in the amount of _____ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account 50-3288 in the amount of \$1,360.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account 50-3288. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/549394
1 SEP 2005

In re application of: Nippon Valqua Industries, Ltd.
Serial No.: OF EVEN DATE
Filed: September 14, 2005
For: Sealing material for ant groove

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING VIA EXPRESS MAIL

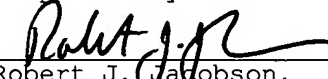
Sir:

I hereby certify that the attached patent application (or national stage documents) consisting of the following papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on September 14, 2005 and is addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, under Express Mail Post Office to Addressee Label No. ED-561-123-259-US:

- 1) This Certificate Of Mailing Via Express Mail dated 09/14/2005 (one page);
- 2) Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Submission Under 35 U.S.C. 371 dated 09/14/2005 (three pages plus duplicate);
- 3) Application Data Sheet (three pages);
- 4) A copy of the International Application as filed consisting of: a) Description (pages 1-29); Claims (page 30-31); Abstract (page 32); and Formal Drawings (five sheets).
- 5) Copy of Notification Of Receipt Of Record Copy (two pages);
- 6) Copy of the First Notice Informing The Applicant Of The Communication Of The International Application (one page);
- 7) Copy of the Second And Supplementary Notice Informing The Applicant Of The Communication Of The International Application (one page);
- 8) A second copy of WO 2004/092619 A1 including the International Search Report in English, i.e., the International Publication Document for which this case is the national phase entry, for purposes of 35 U.S.C. 154(d)(4) (where the first copy was submitted by the International Bureau);
- 9) Copy of Notification of Transmittal of International Preliminary Report on Patentability (one sheet), Copy of International Preliminary Report on Patentability (two sheets), and copy of pages 30, 31 and 31/1 having claims 6-10;
- 10) Copy of the Article 34 Amendment (five pages total having copy of pages 30, 31 and 31/1 having claims 6-10); and
- 11) Postcard Receipt.

Respectfully submitted,

Date: 9-14-05


Robert J. Jacobson,
Reg. No. 32,419
650 Brimhall Street South
St. Paul, MN 55116-1511

Tel. No.: (651) 699-7900
Fax. No.: (651) 699-7901